

Claudio Capelli

List of Publications by Year in descending order

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16
papers

705
citations

623188

14
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Flow Dynamics in the Pulmonary Bifurcation of Patients With Repaired Tetralogy of Fallot: A Computational Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 703717.	1.1	12
2	Patient-specific simulations for planning treatment in congenital heart disease. <i>Interface Focus</i> , 2018, 8, 20170021.	1.5	35
3	Piloting the Use of Patient-Specific Cardiac Models as a Novel Tool to Facilitate Communication During Clinical Consultations. <i>Pediatric Cardiology</i> , 2017, 38, 813-818.	0.6	88
4	Computational modelling for congenital heart disease: how far are we from clinical translation?. <i>Heart</i> , 2017, 103, 98-103.	1.2	55
5	Use of 3D models of congenital heart disease as an education tool for cardiac nurses. <i>Congenital Heart Disease</i> , 2017, 12, 113-118.	0.0	82
6	Pledget-Armed Sutures Affect the Haemodynamic Performance of Biologic Aortic Valve Substitutes: A Preliminary Experimental and Computational Study. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 17-29.	0.7	30
7	A statistical shape modelling framework to extract 3D shape biomarkers from medical imaging data: assessing arch morphology of repaired coarctation of the aorta. <i>BMC Medical Imaging</i> , 2016, 16, 40.	1.4	65
8	Patient-specific finite element models to support clinical decisions: A lesson learnt from a case study of percutaneous pulmonary valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 86, 1120-1130.	0.7	21
9	Patient-specific computational models to support interventional procedures: a case study of complex aortic re-coarctation. <i>EuroIntervention</i> , 2015, 11, 669-672.	1.4	20
10	Geometrical and Stress Analysis of Factors Associated With Stent Fracture After Melody Percutaneous Pulmonary Valve Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 510-517.	1.4	17
11	Patient-Specific Simulations in Interventional Cardiology Practice: Early Results From a Clinical/Engineering Centre. , 2013, , .		0
12	Finite Element Strategies to Satisfy Clinical and Engineering Requirements in the Field of Percutaneous Valves. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2663-2673.	1.3	17
13	Patient-specific reconstructed anatomies and computer simulations are fundamental for selecting medical device treatment: application to a new percutaneous pulmonary valve. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 3027-3038.	1.6	51
14	Patient specific finite element analysis results in more accurate prediction of stent fractures: Application to percutaneous pulmonary valve implantation. <i>Journal of Biomechanics</i> , 2010, 43, 687-693.	0.9	79
15	First-in-man implantation of a novel percutaneous valve: a new approach to medical device development. <i>EuroIntervention</i> , 2010, 5, 745-750.	1.4	117
16	How do angioplasty balloons work: a computational study on balloon expansion forces. <i>EuroIntervention</i> , 2010, 6, 638-642.	1.4	16